

REPLACEMENT SHEET
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SYSTEM AND METHOD FOR ERROR-CONTROL FOR MULTICAST VIDEO DISTRIBUTION
Jack Yiu-Bur Lee
09/945,345
17329-004001

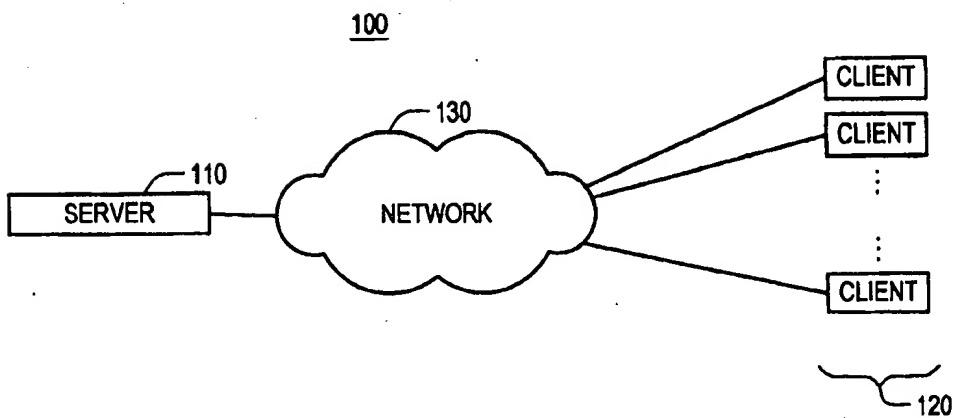


FIG. 1

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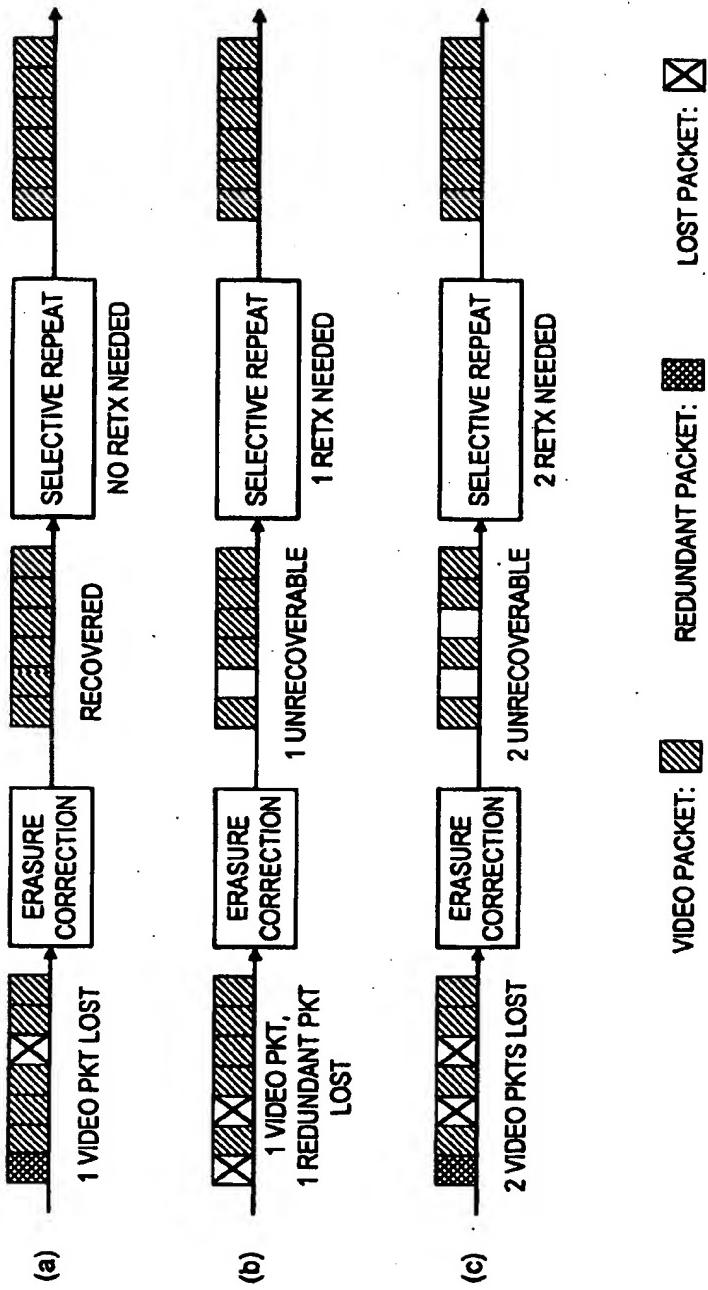


FIG. 2A

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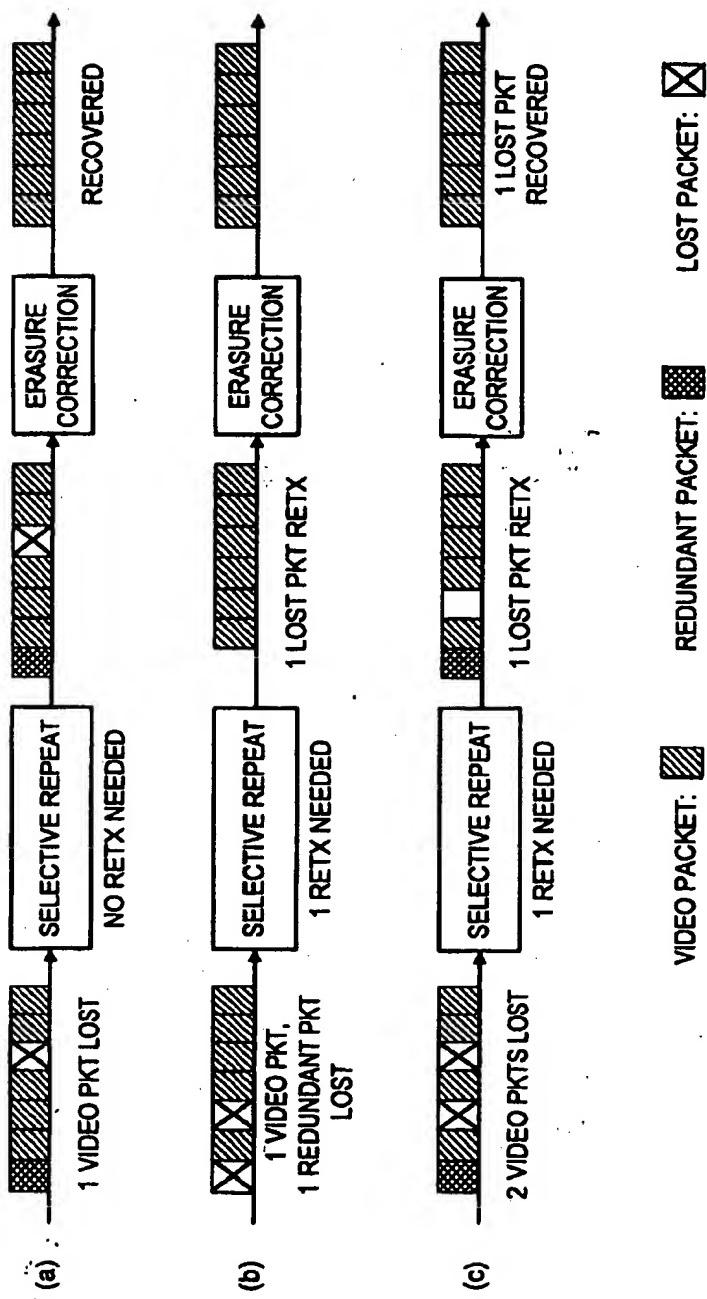


FIG. 2B

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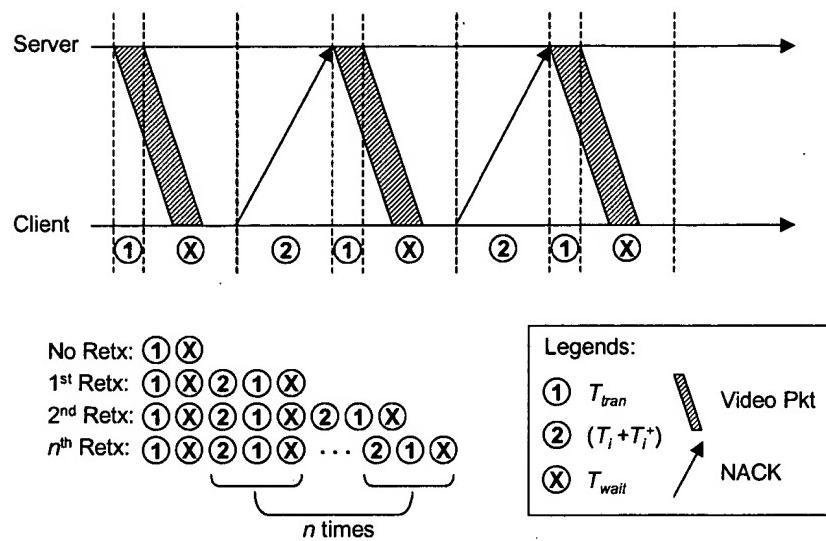


Fig. 3. Worst-case retransmission scenario for the ARQ algorithm.

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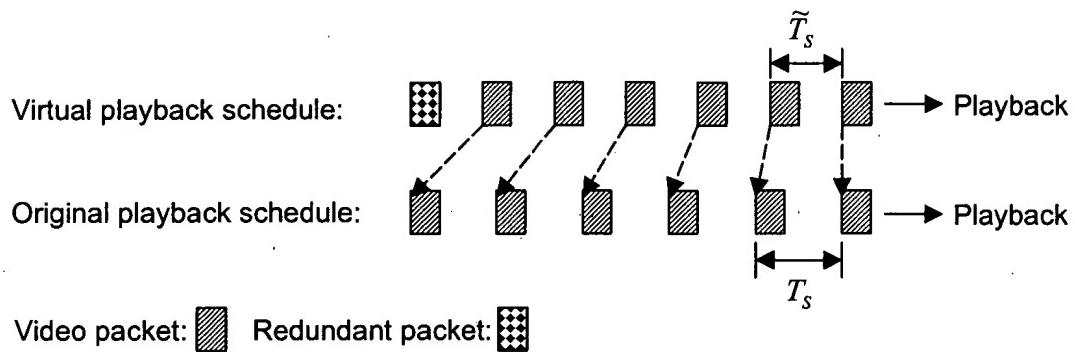


Fig. 4. Relation between the virtual playback schedule and the original playback schedule under FEC.

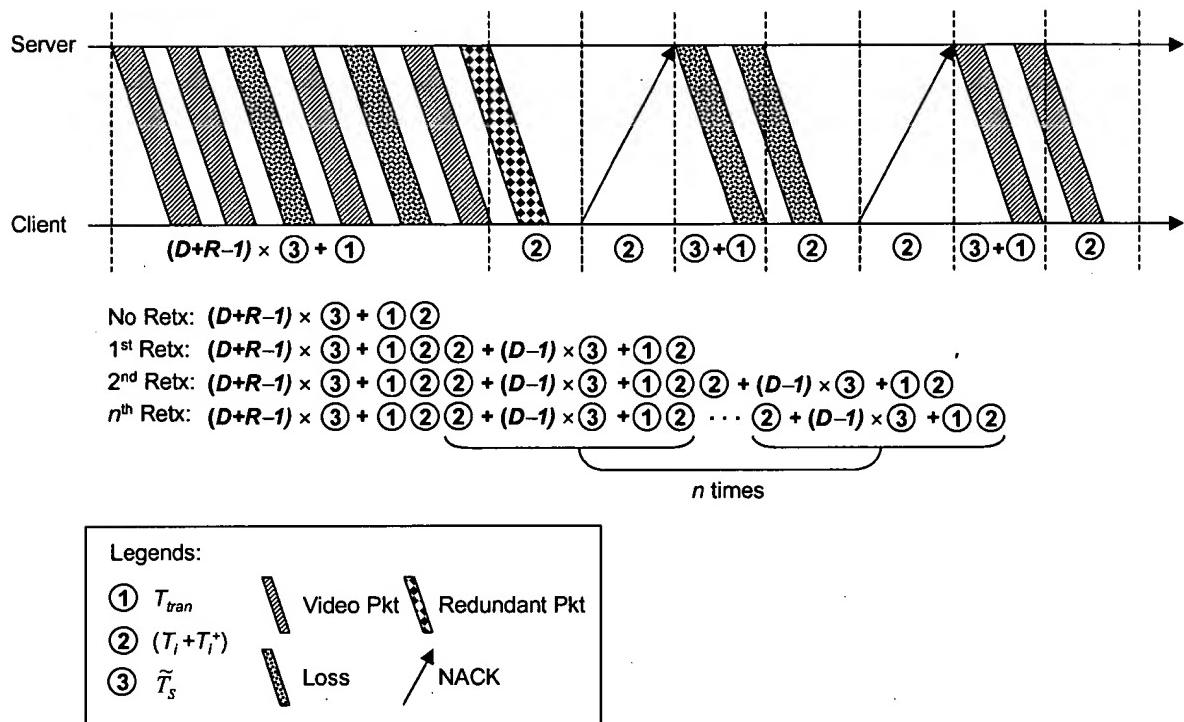


Fig. 5. Worst-case retransmission scenario for passive recovery mode of the hybrid ARQ/FEC algorithm.

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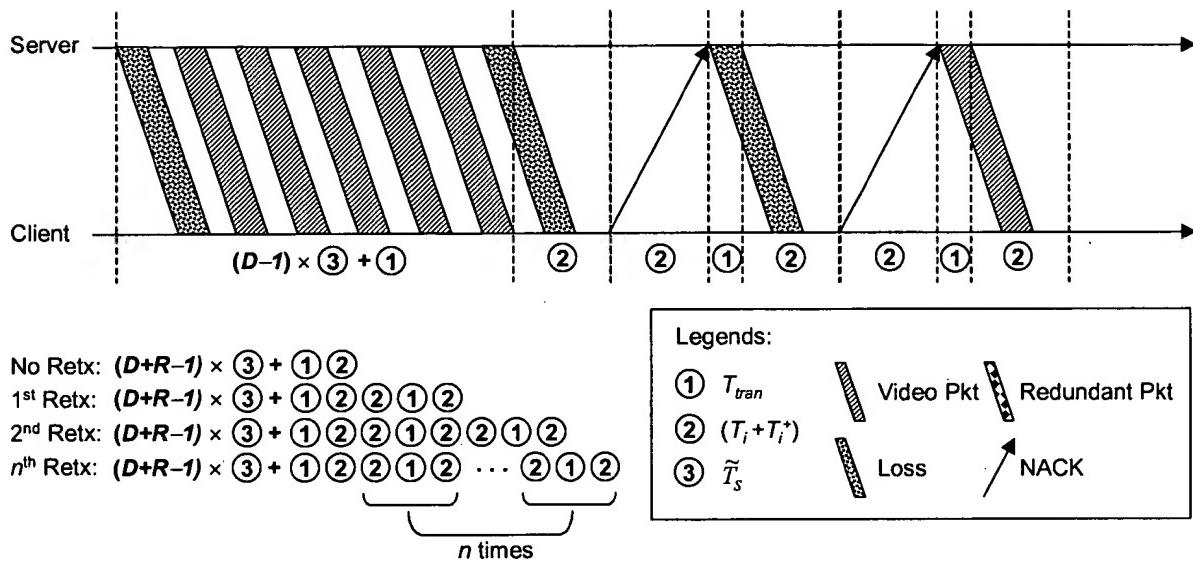


Fig. 6. Worst-case retransmission scenario for active recovery mode of the hybrid ARQ/FEC algorithm.

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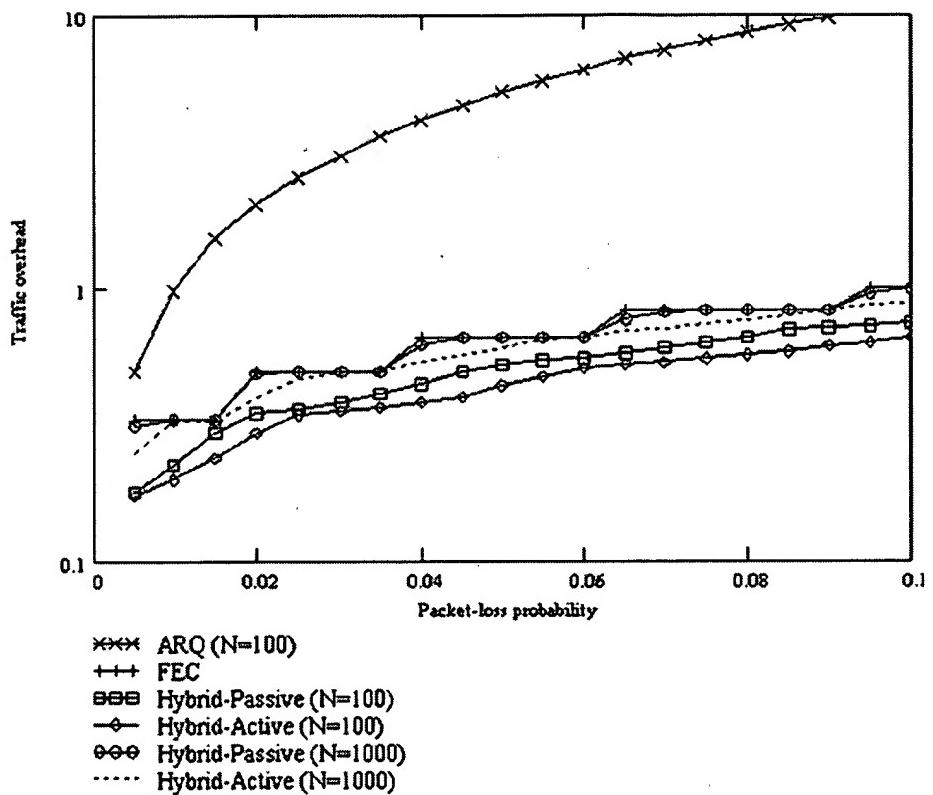


Fig. 7. Traffic overhead versus packet-loss probability.

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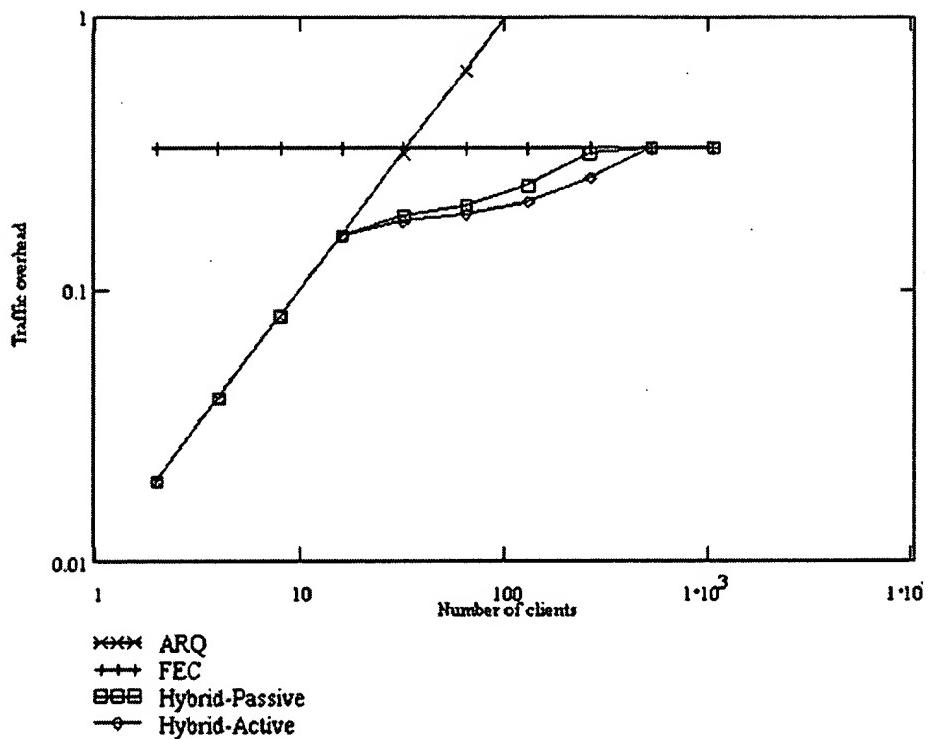


Fig. 8. Traffic overhead versus number of receivers (packet-loss probability is 0.01).

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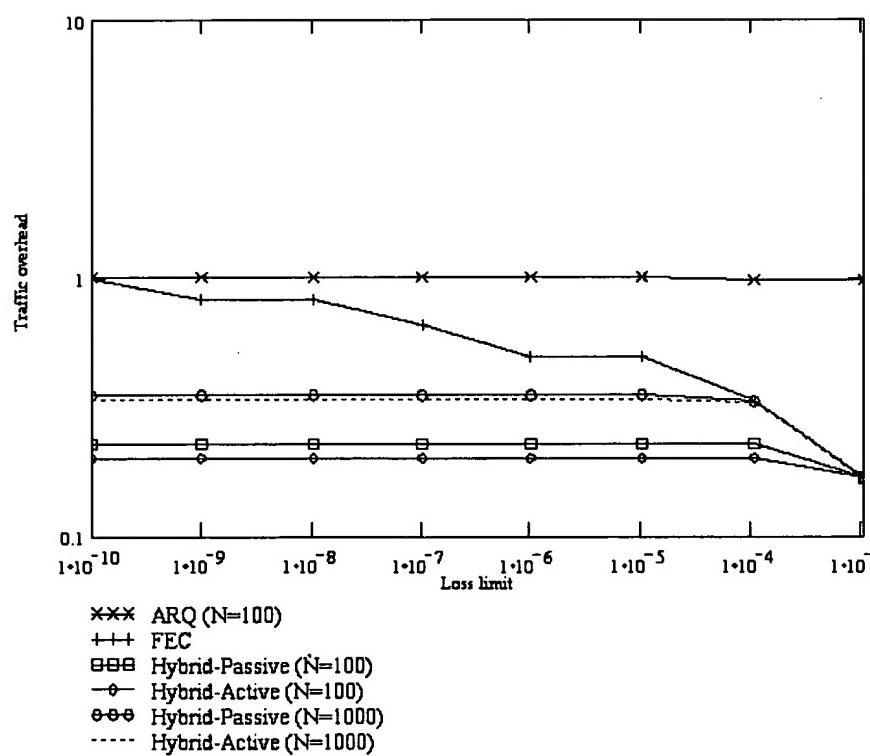


Fig. 9. Traffic overhead versus loss limit.

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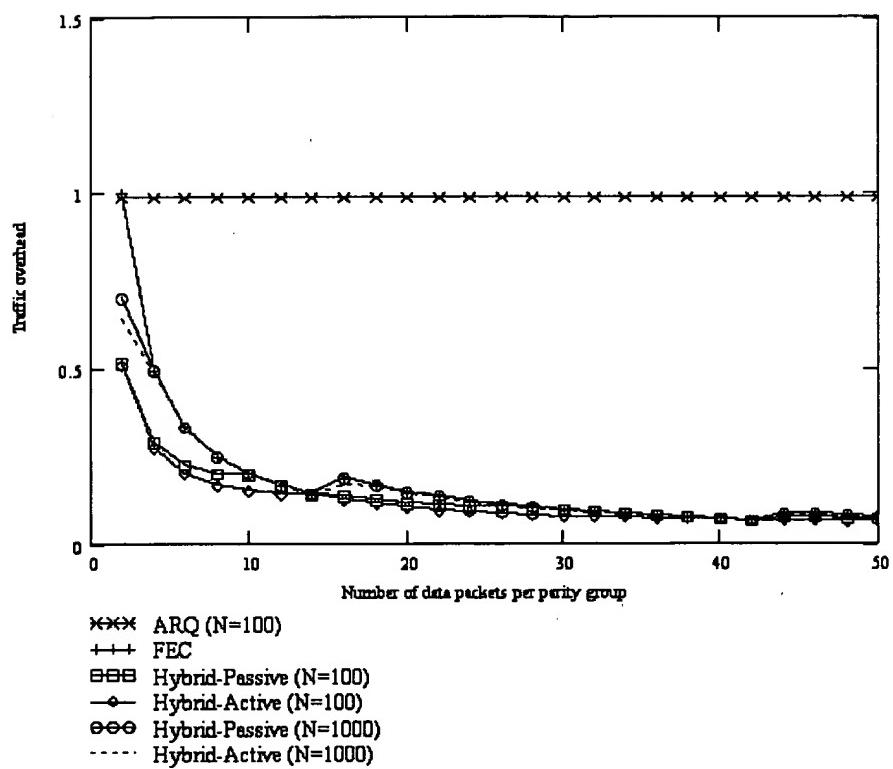


Fig. 10. Traffic overhead versus parity group size.

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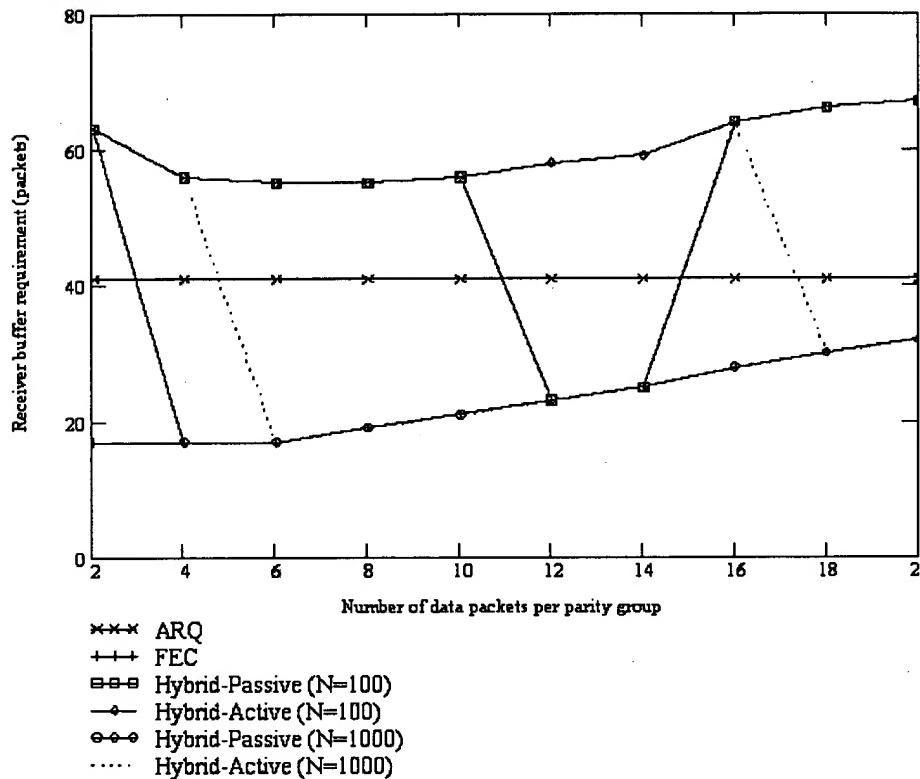


Fig. 11. Receiver buffer requirement versus parity group size.

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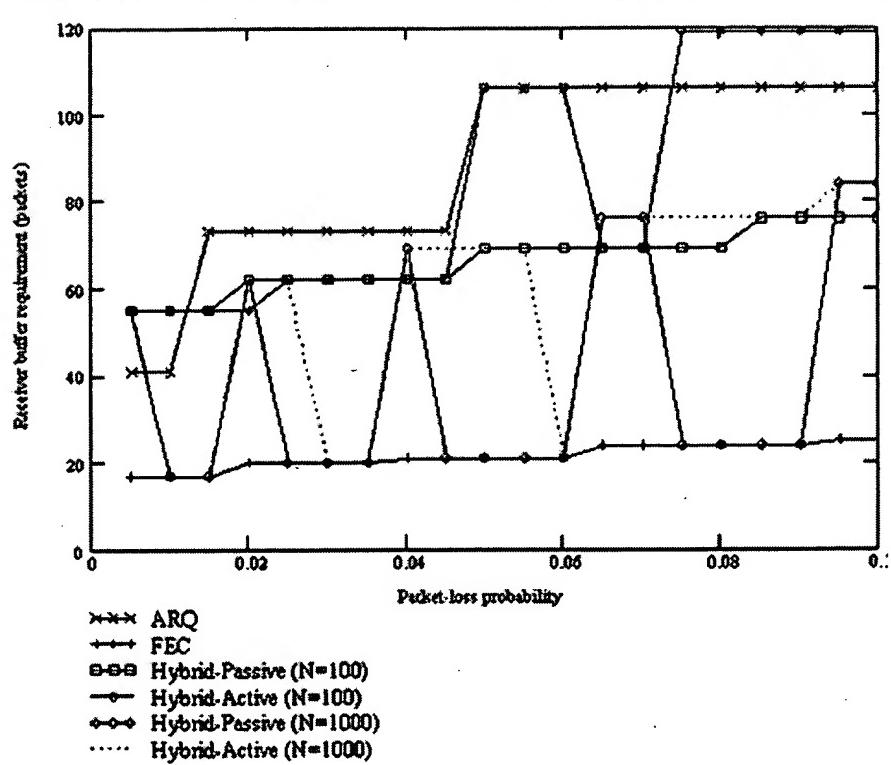


Fig. 12. Receiver buffer requirement versus packet-loss probability.

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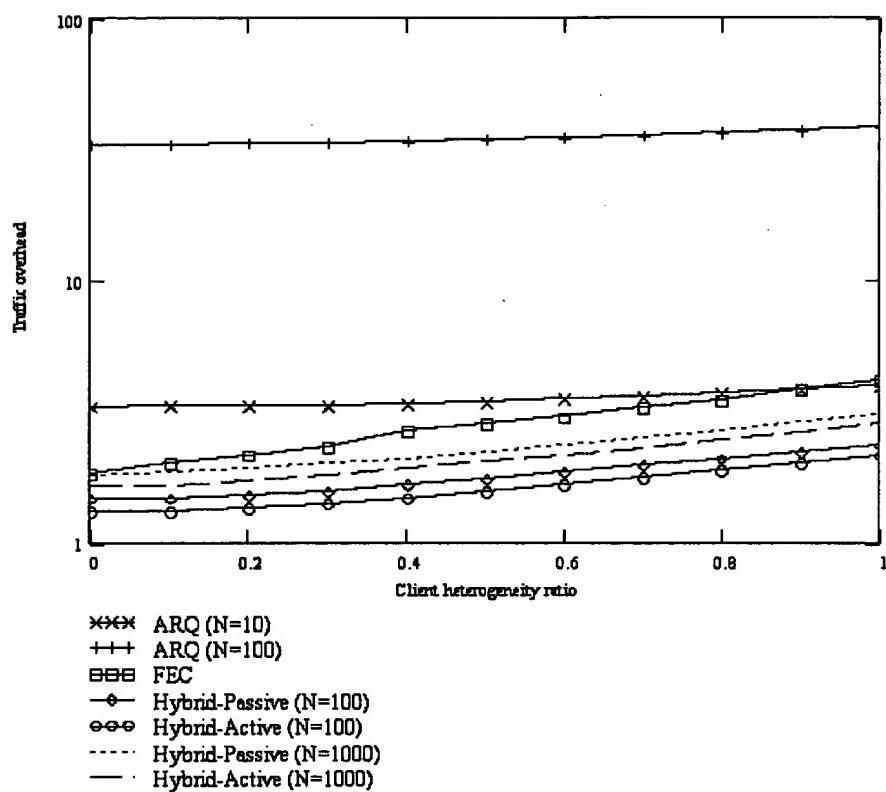


Fig. 13. Traffic overhead versus heterogeneous packet-loss probabilities.